



The Adsorbent Pouch Filter (APF) is typically placed inside a sealed enclosure and provides protection from hydrocarbons, acid and base gases, and the effects of water vapor, such as condensation, corrosion, and fungal growth.

TYPICAL CONSTRUCTION

The APF is comprised of a porous membrane pouch containing a specially formulated adsorbent element. Typical APFs include:

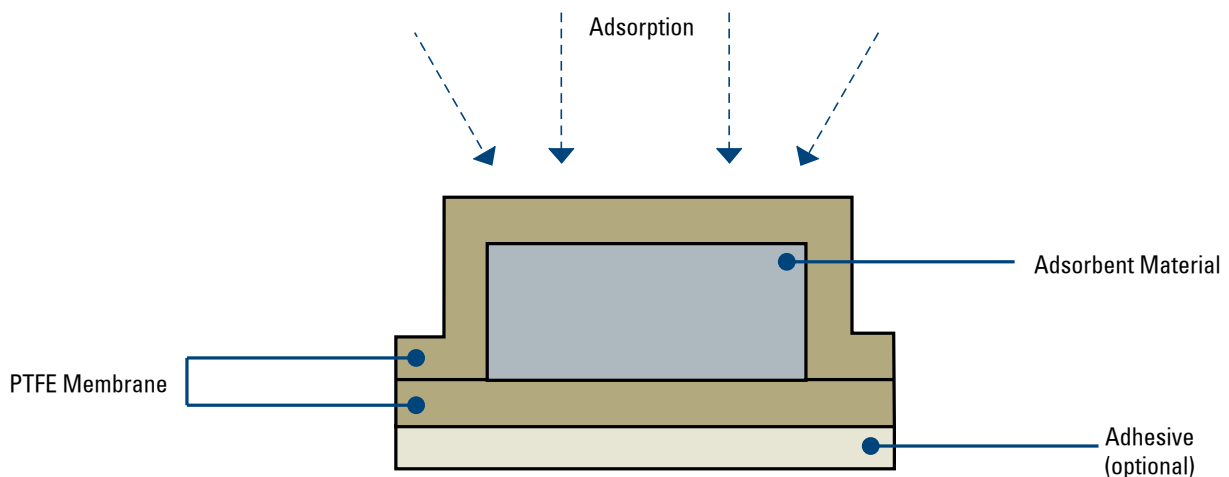
- **PTFE filtration membrane** - Encapsulates the adsorbent element while remaining permeable to gaseous contamination
- **Adsorbents**
 - Activated carbon adsorbent - Provides relative humidity control and adsorption of hydrocarbons
 - Chemically-treated activated carbon adsorbent - Provides relative humidity control and adsorption of acid gases and hydrocarbons
 - Silica gel and molecular sieve - Provides relative humidity control



BENEFITS

The APF improves the reliability and extends the life of the device because it:

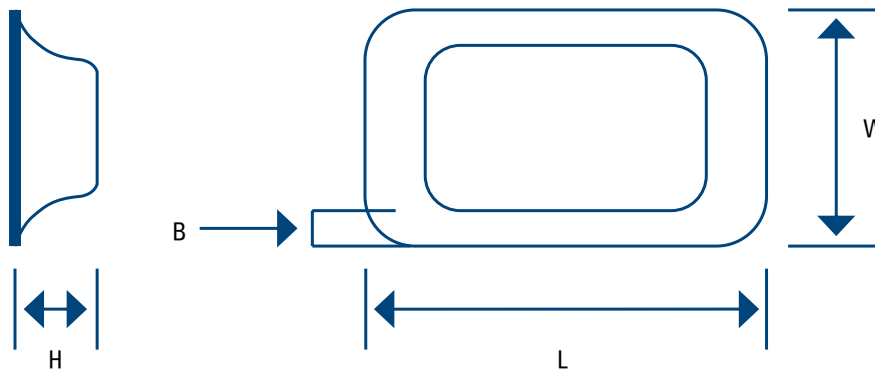
- Removes harmful gases and moisture vapor from ambient air
- Controls the humidity level inside the device



ADSORBENT POUCH FILTER

DESIGN CHARACTERISTICS

Dimension	Range	Tolerance
L Length	10 - 100 mm (0.40 - 3.94")	± 0.5 mm (0.02")
W Width	10 - 100 mm (0.40 - 3.94")	± 0.5 mm (0.02")
H Height	3.0 - 15 mm (0.12 - 0.59")	Maximum
B Border	1.0 - 3.0 mm (0.04 - 0.12")	



PACKAGING

- Bulk packed in sealed metalized vapor barrier bag

Contact us to increase the reliability of your micro-electronics.



Donaldson.

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